07/323,668





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SERIAL NUMBER FILING DATE	FIRST NAMED APPLICANT		ATTORNEY DOCKET NO.
07/323,665 04/24/8	9 REDDY	V	- IGHETERODIME
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		WANG, G	
ROGER AND NEIMARK	N1 L1	ART UNIT	PAPER NUMBER
419 SEVENTH STREET, SUITE 300	IV a W a		15
WASHINGTON, D.C. 2	0004	DATE MAILED:	
E	XAMINER INTERVIEW SUMMARY RECO	RD	09/06/91
All participants (applicant, applicant's representat			
(1) Roger L. Browdy	(3)		
(2) Gion WANG	(4)		
Date of interview8/15/91		-	
	ren to 🔲 applicant 🔲 applicant's representative		
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Exhibit shown or demonstration conducted: \qed	Yes No. If yes, brief description:		
Agreement	or all of the claims in question.	ned.	
Claims discussed:			
Identification of prior art discussed:	<u> </u>		
Description of the general nature of what was arrest			
	ed to if an agreement was reached, or any other con	,	4 * 4 =
(1). Applicants agree to of	ask a copy of claims in	the instant	application.
	nd in the missing prior ant		
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(A fuller description, if necessary, and a copy of attached. Also, where no copy of the amendments	the amendments, if available, which the examiner which would render the claims allowable is available	agreed would rene e, a summary there	der the claims allowable must be of must be attached.)
NOT WAIVED AND MUST INCLUDE THE SUE	to indicate to the contrary, A FORMAL WRITTE! SSTANCE OF THE INTERVIEW (e.g., items 1 – 7 icant is given one month from this interview date to	on the reverse side	of this form). If a response to the
\square It is not necessary for applicant to provide a	a separate record of the substance of the interview.		
☐ Since the examiner's interview summary al requirements that may be present in the laresponse requirements of the last Office act	bove (including any attachments) reflects a comple ast Office action, and since the claims are now allow ion.	ete response to each able, this complete	of the objections, rejections and d form is considered to fulfill the
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Examiner's Signature



CLAIMS IN REDDY=1.1. U.S.S.N. 07/323,665

- A mammalian cell comprising a transformed cell transformed by at least a first expression vector, said transformed cell being capable of producing a biologically active heterodimeric human fertility hormone comprised of an alpha subunit and a beta subunit, each said subunit being encoded in nature by a distinct mRNA, said hormone being human FSH, the alpha subunit of said hormone being encoded by said first expression vector and the beta subunit of said hormone being encoded by said first expression vector or by a second expression vector by which said transformed cell is also transformed, or progeny of said transformed cell containing the genetic information imparted by said vector or vectors.
- A mammalian cell in accordance with claim 26, said second expression vector being autonomously replicating.
- A mammalian cell in accordance with claim 16, said second first vector being a plasmid.
- A mammalian cell in accordance with claim 16, the alpha and beta subunits of said heterodimeric hormone being encoded by said first expression vector.

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TELEFAX CONTROL SHEET

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SHMUEL LIVNAT, PH.D.

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- 22. A mammalian cell in accordance with claim 16, said cell being a mouse cell.
- 23. A mammalian cell in accordance with claim 16, said first expression vector being autonomously replicating.
- 24. A method for producing the biologically active human fertility hormone FSH comprising culturing host mammalian cells in accordance with claim 26 in which said first expression vector encodes the alpha subunit of said FSH and said second expression vector encodes the beta subunit of said FSH.
- 25. The method of claim 24, wherein each said expression vector is autonomously replicating.
- 26. A mammalian cell in accordance with claim 16, wherein said beta subunit is encoded by a second expression vector, distinct from said first expression vector, said transformed cell also being transformed by said second expression vector.

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CLAIMS IN REDDY=1.1. U.S.S.N. 07/323.665

- transformed by at least a first expression vector, said transformed cell being capable of producing a biologically active heterodimeric human fertility hormone comprised of an alpha subunit and a beta subunit, each said subunit being encoded in nature by a distinct mRNA, said hormone being human FSH, the alpha subunit of said hormone being encoded by said first expression vector and the beta subunit of said hormone being encoded by said first expression vector by a second expression vector by which said transformed cell is also transformed, or progeny of said transformed cell containing the genetic information imparted by said vector or vectors.
- 18. A mammalian cell in accordance with claim 26, said second expression vector being autonomously replicating.
- 19. A mammalian cell in accordance with claim 16, said second first vector being a plasmid.
- 20. A mammalian cell in accordance with claim 16, the alpha and beta subunits of said heterodimeric hormone being encoded by said first expression vector.
- 21. A mammalian cell in accordance with claim 16, transcription of the alpha and beta subunits of said heterodimeric hormone being under the control of the mouse metallothionein promoter.

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